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What is claimed is:

1. A monopole low frequency test woofer, comprising:

a rigid mounting plate having an acoustical opening;

a monopole driver having a high mass cone and low resonance in free air, said driver being mounted on said mounting plate with a basket of said driver fitting about said acoustical opening;

an inductor connected in series with said monopole driver;

a rear tub attached to said mounting plate forming an enclosure housing said monopole driver and inductor; and

an electrical connector on said rear tub for connecting said monopole driver and inductor to an external circuit.

- 2. A test woofer, as set forth in claim 1, wherein said inductor contours frequency response of monopole driver to match frequency response of a vehicle dipole speaker over a frequency range of interest.
- 3. A test woofer, as set forth in claim 2, wherein the frequency range of interest is from about 40 Hz to about 200 Hz.
- 4. A test woofer, as set forth in claim 1, including a seal between said mounting plate and said tub.
- 5. A test woofer, as set forth in claim 1, wherein said rear tub is sealed to a rear surface of said mounting plate.

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- 6. A test woofer, as set forth in claim 1, wherein a top portion of a rear panel of said rear tub is offset inward toward said mounting plate to have lesser depth than a bottom portion of said rear tub to thereby form a slot.
- 7. A test woofer, as set forth in claim 6, wherein said electrical connector is positioned in said slot.
- 8. A test wooter, as set forth in claim 7, wherein said electrical connector is flush with said lower portion of said rear panel.
- 9. A band limited radiating source, comprising:
- a rigid mounting plate having an acoustical opening;
- a monopole low frequency driver mounted on said mounting plate with a basket of said driver fitting about said acoustical opening;
- a tub sealed to said mounting plate forming an enclosure housing said monopole driver; and
- an electrical connector on said tub for connecting said monopole driver to an external circuit.
- 10. A band limited radiating source, as set forth in claim 9, including an inductor connected in series with said monopole driver.
- 11. A band limited radiating source, as set forth in claim 9, wherein said monopole driver has a frequency response range of about 40 Hz to about 200 Hz.

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- 12. A band limited radiating source, as set forth in claim 9, including a seal between said mounting plate and said tub.
- 13. A band limited radiating source, as set forth in claim 9, wherein said rear tub is sealed to a rear surface of said mounting plate.
- 14. A band limited radiating source, as set forth in claim 9 wherein a top portion of a rear panel of said rear tub is offset inward toward said mounting plate to have lesser depth than a bottom portion of said rear tub to thereby form a slot.
- 15. A band limited radiating source, as set forth in claim 14, wherein said electrical connector is positioned in said slot.
- 16. A band limited radiating source, as set forth in claim 15, wherein said electrical connector is flush with said lower portion of said rear panel.
- 17. A method for determining loss in baffling due to speaker environment in a vehicle being non-ideal, comprising the steps of:

producing a monopole low frequency test woofer

having a frequency response and resonance output

matching an optimized vehicle dipole speaker;

determining output of the vehicle dipole speaker;

measuring output of said test woofer in said 10 vehicle; and

comparing said outputs with appropriate level correction and determining frequency response difference which is the loss in baffling due to speaker environment in the vehicle.

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18. A method, as set forth in claim 17, wherein the test woofer producing step includes: fabricating a rigid mounting plate having an

acoustical opening; (

mounting a monopole driver having a high mass cone and low resonance in free air on said mounting plate with a basket of said driver fitting about said acoustical opening

forming a tub and sealing the tub to said mounting plate thereby forming an enclosure housing said driver; and

attaching an electrical connector on said tub for connecting said monopole driver to an external circuit.

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- 19. A method, as set forth in claim 17, wherein the tub forming step includes forming a slot in said tub for receiving said electrical connector.
- 20. A method, as set forth in claim 17, wherein the test voofer producing step includes attaching an inductor in series with said monopole driver.

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